SWBAT

observe / identify what affects speed of falling objects

Sep 4-7:31 AM

SECA CP Physics
Monday 16 November 2015

Welcome!!!

H. Leslie Grebe
Room C-244

Centering (jokes)

- Open to page 33 & 35 for check-off
- Pick up Friday's worksheet

Opening Question:

Ever wanted to go skydiving?
How fast do they go?

Class business: pizza party

Sep 7-7:04 AM

InterActive Notebook - Table of Contents

Unit_____ Chapters_____ Date_____

Sep 5-9:09 AM

Pg 34 - "Easy" UAM problems
(Let me know if you need "Beginner" mode)

Done?

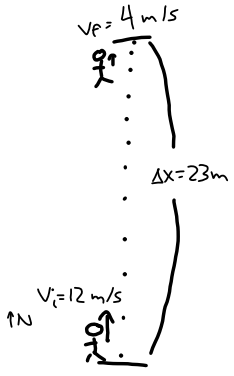
Challenge 1: find the 5th variable for each

Challenge 2: Create your own word problem

$$v_f = v_i + a\Delta t$$
$$\Delta x = v_i\Delta t + \frac{1}{2}a\Delta t^2$$
$$v_f^2 = v_i^2 + 2a\Delta x$$
$$\Delta x = \frac{1}{2}(v_i + v_f)\Delta t$$

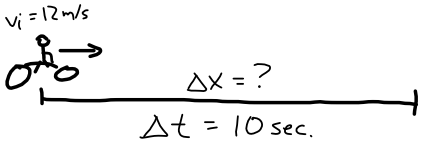
v_i = velocity initial
v_f = velocity final
a = acceleration
Δx = displacement
Δt = change in time

PIC FOR #1



PIC FOR #2

a = 3m/s/s EAST



Nov 11-8:03 AM

Why do some things speed up more than others when they fall?

Book and Feather (boring):

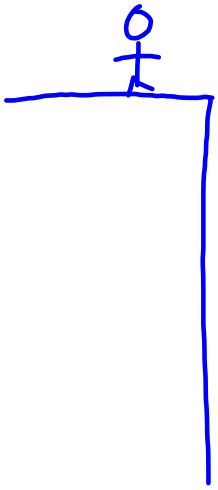
Golf ball and ping pong ball:

2 Kleenex:

Nov 16-8:07 AM

Falling objects...

gravity accelerates



FEATHER & BALL IN VACUUM

http://www.youtube.com/watch?v=4z8g8OSOMzY

FEATHER & HAMMER ON MOON

http://www.youtube.com/watch?v=5C5_dOEyAfk

SKYDIVING

http://www.youtube.com/watch?v=ur40O6nQHsw

Oct 10-7:53 AM